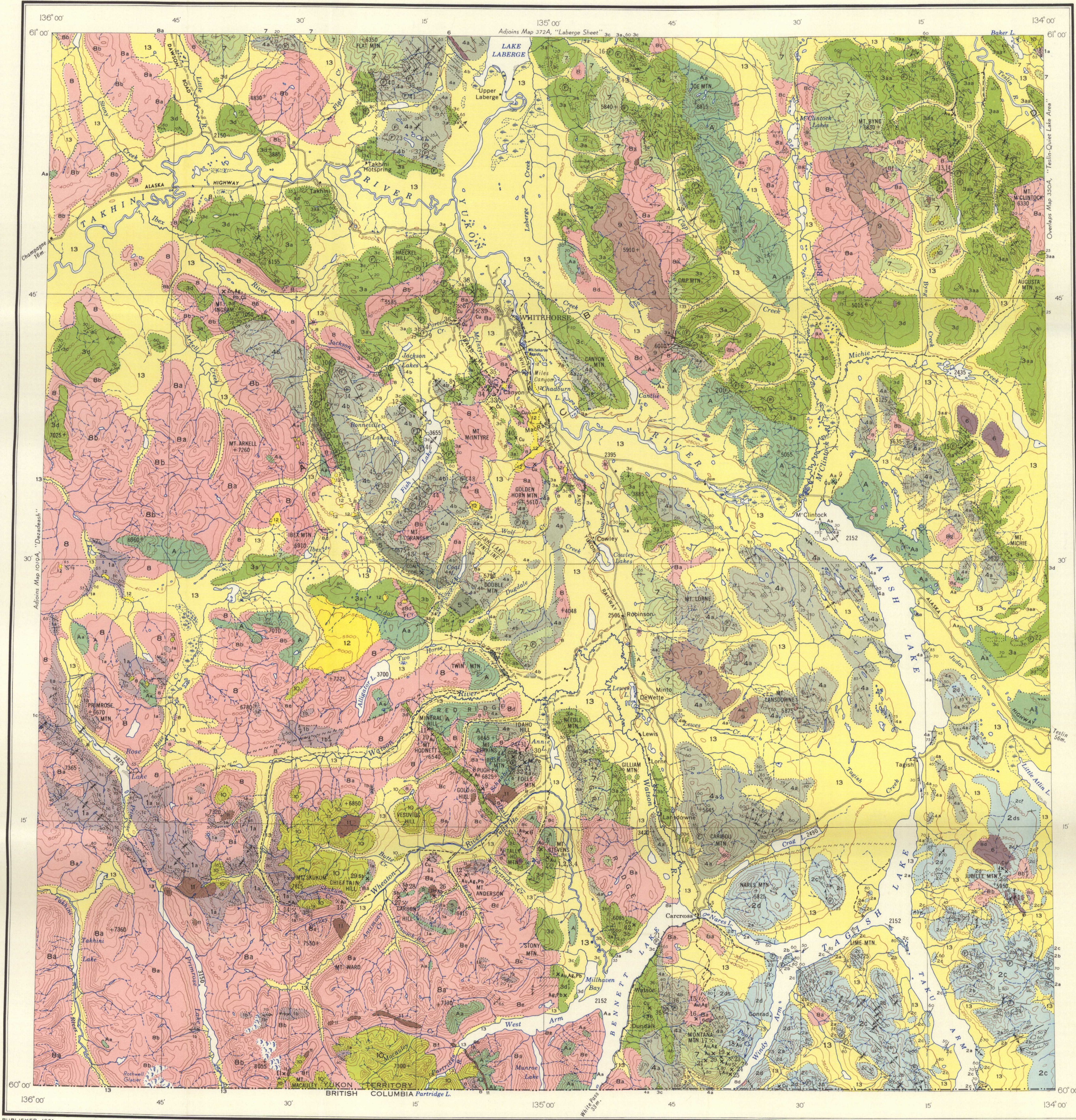


LEGEND

- CENOZOIC**
- 13 Alluvium, glacial deposits, volcanic ash, loess
 - 12 MILES CANYON BASALT: basalt, minor pyroclastic rocks
- TERTIARY OR EARLIER**
- 11 Granite porphyry, rhyolite
 - 10 SKUKUM GROUP
Andesite, basalt, rhyolite, and trachyte breccias, tuffs, and flows, granitic agglomerate; minor greywacke
 - 9 Pink quartz monzonite
- CRETACEOUS**
- 8 COAST INTRUSIONS
Granodiorite, granite, quartz monzonite, quartz diorite, and allied rocks; 8a, hornblende-biotite-oligoclase granodiorite; 8b, leucocratic granite, biotite granite; 8c, biotite-hornblende quartz diorite; 8d, hornblende diorite; 8e, gneissic porphyritic granodiorite; 8f, shattered granodiorite and granitic breccia; 8g, pegmatic syenite
 - 7 HUTSHI GROUP
Basalt, andesite, quartz latite, and rhyolite flows, breccias, and tuffs; conglomerate, minor greywacke and argillite; 7a, basalt dyke; 7b, altered volcanic rocks probably belonging to Hutshi group
 - 6 Peridotite, dunite, serpentinite, pyroxenite
- MESOZOIC**
- 5 JURASSIC (?) AND CRETACEOUS
TANTALUS FORMATION: arkose, siltstone, conglomerate, argillite, coal
 - 4 JURASSIC LOWER JURASSIC AND LATER
LABERGE GROUP
4a, greywacke, arkose, quartzite, conglomerate, siltstone, argillite, hornfels; 4b, mainly conglomerate
 - 3 TRIASSIC
UPPER TRIASSIC
LEWES RIVER GROUP
3a, greywacke, siltstone, argillite, conglomerate, and tuffaceous equivalents; 3aa, includes Jurassic rocks; 3b, andesite, basalt flows and associated pyroclastic rocks; 3c, limestone, limestone breccia; 3d, metamorphosed rocks probably belonging to Lewes River group
- PALAEZOIC**
- 2 PENNSYLVANIAN (?) AND PERMIAN
TAKU GROUP
2a, mainly chert; 2b, greenstone flows and pyroclastic rocks; 2c, limestone, limestone breccia; 2d, metamorphosed volcanic rocks, probably belonging to Taku group; 2e, metamorphosed volcanic rocks containing numerous serpentine bodies
- PRECAMBRIAN AND LATER**
- 1 YUKON GROUP
1a, Quartz-mica, quartz-chlorite, and mica schists; quartzite, micaceous quartzite, gneiss, and amphibolite; 1b, feldspathic gneiss, gneissic granitic rocks, li-par-liit gneiss; 1c, crystalline limestone
 - A Volcanic rocks of uncertain age; Aa, metamorphosed volcanic rocks



- INDEX TO MINING PROPERTIES
- Gold-Silver
 - 1 Hawk Eye group
 - 2 Acme claim
 - 3 Midnight group
 - 4 Hidden Ore group
 - 5 Buffalo Hump group
 - 6 Wheaton Mountain claims
 - 7 Tally-Ho group
 - 8 Gold Reef claim
 - 9 Dail Creek claims
 - 10 Lucky Boy claim
 - 11 Legal Tender claim
 - 12 Mount Anderson claims
 - 13 Mount Reid claims
 - 14 Mascot group
 - 15 Big Thing mine
 - 16 Jean claim
 - 17 Montana mine
 - 18 Joe Petty claim
 - 19 Uranus claim
 - 20 Thistle claim
 - 21 Aurora claim
 - 22 M and M claim
 - 23 Vault mine
 - 24 Venus mine
 - 25 Dail and Fleming groups
 - Antimony-Silver
 - 26 Becker-Cochran claims
 - 27 Fleming claims
 - 28 Goddell's claims
 - 29 Chieftain Hill claims
 - Silver-Lead
 - 30 Idaho Hill claims
 - 31 Export group
 - 32 Cariboo group
 - Copper
 - 33 Arctic Chief mine
 - 34 Grafter mine
 - 35 Best Chance claim
 - 36 Pueblo mine
 - 37 War Eagle claim
 - 38 Anaconda claim
 - 39 Copper King mine
 - 40 Valerie mine
 - 41 Fleming group
 - 42 College Green claim
 - Coal
 - 43 Whitehorse coal
 - 44 Mount Bush coal

- Bedding (horizontal, inclined, vertical, overturned) + / x / x
- Bedding (dip known, top of bed unknown) + / x / x
- Schistosity, gneissosity (inclined, vertical) / / /
- Slaty cleavage (inclined, vertical) / / /
- Fault (defined, approximate, assumed) - - - - -
- Anticlinal axis (arrow indicates direction of plunge) ~ ~ ~ ~ ~
- Synclinal axis (arrow indicates direction of plunge) ~ ~ ~ ~ ~
- Fossil locality 23 ⊕
- Mine 15 ⊕
- Mineral occurrence 16 x
- Pleier deposit x

SYMBOLS FOR METALS AND MINERALS

Antimony Sb	Gold Au
Coal Coal	Lead Pb
Copper Cu	Silver Ag
Fluorite Fl	Zinc Zn

Geology by J. G. Fyles, 1946; J. R. Johnston, 1947; and J. O. Wheeler, 1948-1951

To accompany G.S.C. Memoir 312 by J. O. Wheeler

Approximate magnetic declination 31° 16' East

Base-map compiled by the Topographical Survey, 1947

Cartography by the Geological Survey of Canada, 1960



Library Geological Survey of Canada

MAP 1093A
GEOLOGY
WHITEHORSE
YUKON TERRITORY

Scale: One Inch to Four Miles = 1/253,440

COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

NOT TO BE TAKEN FROM LIBRARY
NE PAS SORTIR DE LA BIBLIOTHÈQUE

- REFERENCE
- Main highway ————
 - Other roads - - - - -
 - Trail - - - - -
 - Building ————
 - School ————
 - Post Office ————
 - Provincial boundary ————
 - Intermittent stream ————
 - Marsh ————
 - Sand or gravel ————
 - Glacier ————
 - Contours (interval 500 feet) ————
 - Contours (position approximate) ————
 - Height in feet above mean sea-level 2490



1093A